State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-101	

Latitude / Longitude (see instructions): 43.185791 N, 88.045064 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ SW / NE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street
Well City, Village or Town: Milwaukee
Well ZIP Code: 53224
Subdivision Name:
Lot #:
Reason for Removal from Service: DNR case closure
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 08/16/1995
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.2	16

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
3	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route: 313 Oswalt Avenue
Telephone Number: (630-796-9338)

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510	Noe V Munoz	5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Itgo Bulk Terminal	Local Grid Location of Well: 1821.4 ft. ■ N. ☐ S. 2026.0 ft. ■ E. ☐ W.	Well Name: MW-101
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N. ____ ft. E.	Wis. Unique Well Number / DNR Well Number: _____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ■ E. ☐ W.	Date Well Installed: 08/16/95 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ■ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm): MIDWEST ENGINEERING
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 733.23 ft. MSL
C. Land surface elevation 730.66 ft. MSL
D. Surface seal, bottom 729.7 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ ___ _____

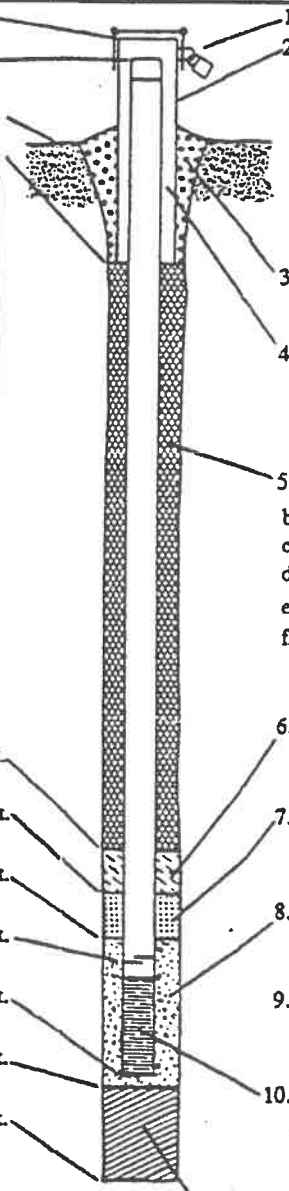
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 727.7 ft. MSL or 3.0 ft.
H. Screen joint, top 727.2 ft. MSL or 3.5 ft.
I. Well bottom 717.2 ft. MSL or 13.5 ft.
J. Filter pack, bottom 716.7 ft. MSL or 14.0 ft.
K. Borehole, bottom 716.7 ft. MSL or 14.0 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
N. I.D. well casing 1.9 in.



1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: 5.0 ft.
c. Material: Steel ■ 04; Other ☐ ___ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ■ 30; Concrete ☐ 01; Other ☐ ___ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ___; Other ☐ ___ _____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 RED FLINT SAND
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___ _____
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ ___ _____
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ ___ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie Van Dyke | Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-103	

Latitude / Longitude (see instructions): 43.186043 N, 88.045809 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NE / NW	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
DNR case closure	

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/17/1995

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
11	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8.2	11

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
3	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510		5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

y/Project Name: TGO BULK TERMINAL	Local Grid Location of Well: 1911.9 ft. ■N ☐S. 1825.8 ft. ■E ☐W	Well Name: MW-103
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 08/17/95 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ■E ☐W	Well Installed By: (Person's Name and Firm): MIDWEST ENGINEERING
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ■ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 732.44 ft. MSL
B. Well casing, top elevation 732.44 ft. MSL
C. Land surface elevation 732.8 ft. MSL
D. Surface seal, bottom 731.8 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 729.8 ft. MSL or 3.0 ft.
H. Screen joint, top 729.3 ft. MSL or 3.5 ft.
I. Well bottom 723.3 ft. MSL or 9.5 ft.
J. Filter pack, bottom 722.8 ft. MSL or 10.0 ft.
K. Borehole, bottom 722.8 ft. MSL or 10.0 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
I.D. well casing 1.9 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ___.__ in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04; Other ☐ ____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite 30; Concrete ■ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ____; Other ☐ ____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie VanDyke | Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-104	

Latitude / Longitude (see instructions): 43.186175 N, 88.045178 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NW / NE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street
Well City, Village or Town: Milwaukee
Well ZIP Code: 53224
Subdivision Name:
Lot #:

Reason for Removal from Service: DNR case closure
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 08/18/1995
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.2	16

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
3	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510		5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

[redacted] Project Name: [redacted]0 Bulk Petroleum Terminal	Local Grid Location of Well: 1960.4 ft. ■N ☐S, 1989.7 ft. ■E ☐W	Well Name: MW-104
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 08/18/95 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ■E ☐W	Well Installed By: (Person's Name and Firm): Midwest Engineering
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No	Location of Well Relative to Waste/Source: u ■ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 735.06 ft. MSL
C. Land surface elevation 732.7 ft. MSL
D. Surface seal, bottom 731.7 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 729.7 ft. MSL or 3.0 ft.
H. Screen joint, top 729.2 ft. MSL or 3.5 ft.
I. Well bottom 719.2 ft. MSL or 13.5 ft.
J. Filter pack, bottom 718.2 ft. MSL or 14.5 ft.
K. Borehole, bottom 718.2 ft. MSL or 14.5 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
D. well casing 1.9 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ■ 30; Concrete ☐ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ _____; Other ☐ _____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; _____ Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; _____ Other ☐ _____
b. Manufacturer Northern Aire
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14; _____ Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie Van Dyke
Firm: Natural Resource Technology, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-105	

Latitude / Longitude (see instructions): 43.186123 N, 88.044583 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NE / NE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
DNR case closure	

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/16/1995

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
8.2	16

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
3	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630) 796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510		5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: [redacted] GO BULK TERMINAL
Facility License, Permit or Monitoring Number: _____

Local Grid Location of Well: 1956.1 ft. ■ N ☐ S. 2161.2 ft. ■ E ☐ W
Grid Origin Location: Lat. _____ Long. _____ or
St. Plane _____ ft. N. _____ ft. E.
Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ☐ E ■ W.

Well Name: MW-105
Wis. Unique Well Number: _____ DNR Well Number: _____
Date Well Installed: 08/16/95 (m m d d y y)
Well Installed By: (Person's Name and Firm)
MIDWEST ENGINEERING

Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12
Distance Well Is From Waste/Source Boundary: _____ ft.
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No
Location of Well Relative to Waste/Source: u ☐ Upgradient s ■ Sidegradient d ☐ Downgradient n ☐ Not Known

A. Protective pipe, top elevation 729.88 ft. MSL
B. Well casing, top elevation 729.88 ft. MSL
C. Land surface elevation 730.4 ft. MSL
D. Surface seal, bottom 729.4 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ __
_____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01; Drilling Mud ☐ 03 None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 727.5 ft. MSL or 3.0 ft.
H. Screen joint, top 726.9 ft. MSL or 3.5 ft.
I. Well bottom 716.9 ft. MSL or 13.5 ft.
J. Filter pack, bottom 716.4 ft. MSL or 14.0 ft.
K. Borehole, bottom 716.4 ft. MSL or 14.0 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
N. I.D. well casing 1.9 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04; Other ☐ __
_____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite 30; Concrete ■ 01; Other ☐ __
_____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ __; Other ☐ __
_____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01
_____ Other ☐ __
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14
_____ Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie VanDyke
Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-112	

Latitude / Longitude (see instructions): 43.186255 N, 88.046099 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NW / NW	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street
Well City, Village or Town: Milwaukee
Well ZIP Code: 53224
Subdivision Name:
Lot #:
Reason for Removal from Service: DNR case closure
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 08/17/1995
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.2	13

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
3	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface			
Bentonite Clay			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510	Noe V. Munoz	5/7/24

DNR Use Only

Date Received	Noted By

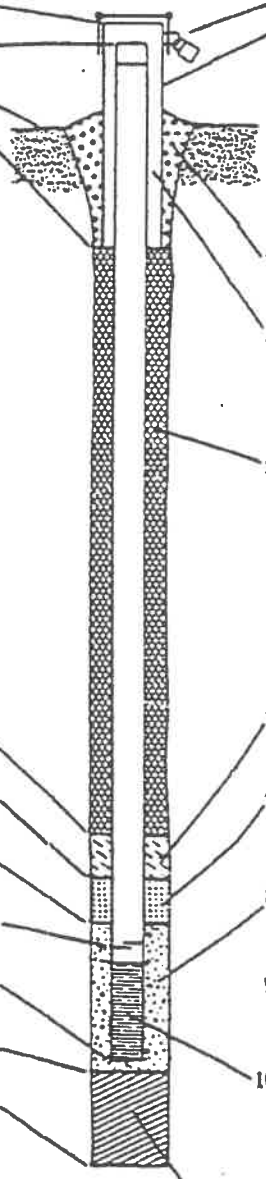
Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ■ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

City/Project Name: TGO BULK TERMINAL	Local Grid Location of Well: 1988.4 ft. ■N ☐S, 1742.3 ft. ■E ☐W	Well Name: MW-112
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number / DNR Well Number: _____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 08/17/95 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ■E ☐W.	Well Installed By: (Person's Name and Firm) MIDWEST ENGINEERING
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No	Location of Well Relative to Waste/Source: u ■ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation 732.62 ft. MSL
B. Well casing, top elevation 732.62 ft. MSL
C. Land surface elevation 733.1 ft. MSL
D. Surface seal, bottom 732.1 ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top 730.1 ft. MSL or 3.0 ft.
H. Screen joint, top 729.6 ft. MSL or 3.5 ft.
I. Well bottom 719.6 ft. MSL or 13.5 ft.
J. Filter pack, bottom 718.6 ft. MSL or 14.5 ft.
K. Borehole, bottom 718.6 ft. MSL or 14.5 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
D. well casing 1.9 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: 1.0 ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite 30; Concrete ■ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ _____; Other ☐ _____
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.9 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie VanDyke | Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	MW-113	

Latitude / Longitude (see instructions): 43.185272 N, 88.044462 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NE / SE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9125 North 107th Street

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
DNR case closure	

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/07/1996

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
18	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.0	18

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
2.5	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510	Noe V. Munoz	5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: Citgo

Facility License, Permit or Monitoring Number:

Type of Well: Water Table Observation Well ☒ 11
Piezometer ☐ 12

Distance Well Is From Waste/Source Boundary: _____ ft.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.

Grid Origin Location: Lat. _____ ° _____ ' _____ " Long. _____ ° _____ ' _____ " or
St. Plane _____ ft. N, _____ ft. E.

Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N, R. 21 ☒ E. ☐ W.

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

Well Name: MW-113

Wis. Unique Well Number: DNR Well Number:

Date Well Installed: 06/07/96

Well Installed By: (Person's Name and Firm)
Randy Radke
Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 2.50 ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

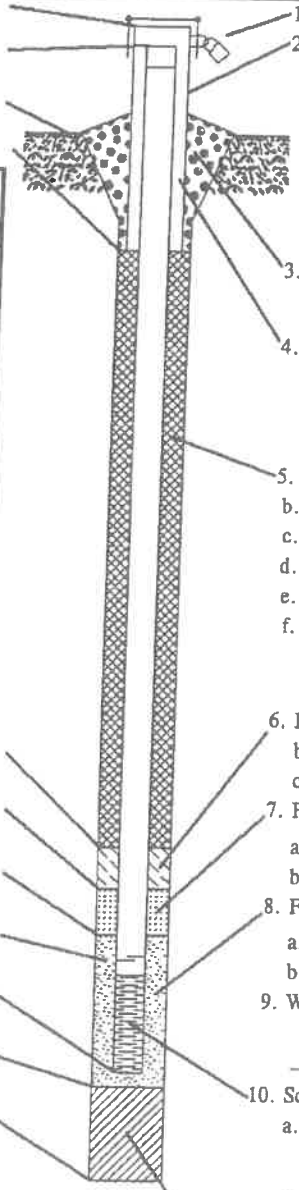
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
_____ Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or 2.5 ft.
H. Screen joint, top _____ ft. MSL or 4.0 ft.
I. Well bottom _____ ft. MSL or 14.0 ft.
J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
K. Borehole, bottom _____ ft. MSL or 15.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: _____ Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 _____ Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 Annular space seal ☐ #30 American Material Other ☒
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 American Material
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 _____ Other ☐
10. Screen material: PVC
a. Screen Type: Factory cut ☒ 11 Continuous slot ☐ 01 _____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14 _____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Boart Longyear
101 Alderson Street
Tel: (715) 359-7090
Fax: (715) 355-5715

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	PZ-101	

Latitude / Longitude (see instructions): 43.185797 N, 88.045067 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ SW / NE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street
Well City, Village or Town: Milwaukee
Well ZIP Code: 53224
Subdivision Name:
Lot #:
Reason for Removal from Service: DNR case closure
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 08/16/1995
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
26	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.2	26

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
18	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510		5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: 190 Bulk Terminal/1096
Facility License, Permit or Monitoring Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ■ 12
Distance Well Is From Waste/Source Boundary: _____ ft.
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No

Local Grid Location of Well: 1825.2 ft. ■ N ☐ S, 2023.4 ft. ■ E ☐ W
Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.
Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 10, T. 8 N, R. 21 ■ E ☐ W.
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ■ Downgradient n ☐ Not Known

Well Name: PZ-101
Wis. Unique Well Number / DNR Well Number: _____
Date Well Installed: 08/18/95 (m m / d d / y y)
Well Installed By: (Person's Name and Firm): MIDWEST ENGINEERING

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 733.40 ft. MSL
C. Land surface elevation 730.96 ft. MSL
D. Surface seal, bottom 726.0 ft. MSL or 5.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ■ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

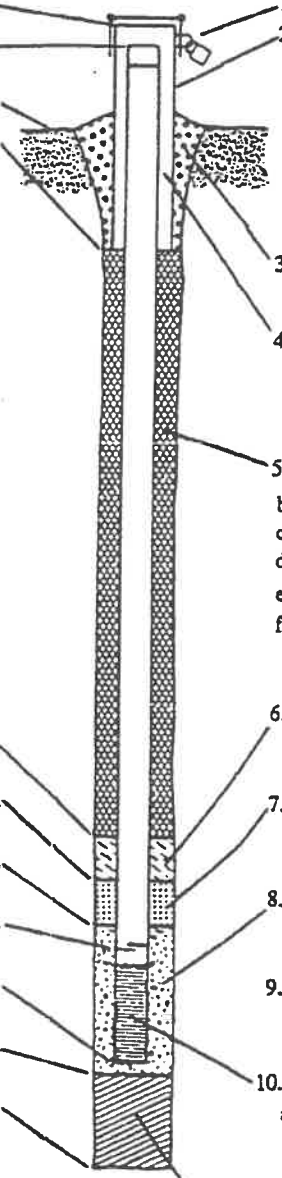
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ ___

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

Drilling additives used? ☐ Yes ■ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top 713.0 ft. MSL or 18.0 ft.
G. Filter pack, top 712.0 ft. MSL or 19.0 ft.
H. Screen joint, top 711.0 ft. MSL or 20.0 ft.
I. Well bottom 706.0 ft. MSL or 25.0 ft.
J. Filter pack, bottom 705.0 ft. MSL or 26.0 ft.
K. Borehole, bottom 705.0 ft. MSL or 26.0 ft.
L. Borehole, diameter 8.2 in.
M. O.D. well casing 2.1 in.
N. I.D. well casing 1.9 in.



1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: 7.0 ft.
c. Material: Steel ■ 04; Other ☐ ___
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ■ 30; Concrete 01; Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ ___; Other ☐ ___
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. #30 Red Flint Sand
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Stephanie Van Dyke
Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	PZ-113	

Latitude / Longitude (see instructions): 43.185250 N, 88.044466 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ NE / SE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9125 North 107th Street

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
DNR case closure	

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/07/1996

If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
27	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
12.0	27

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
19	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface			
Bentonite Clay			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	(630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510		5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 4-90

Facility/Project Name: Citgo

Facility License, Permit or Monitoring Number:

Type of Well: Water Table Observation Well ☐11
Piezometer ☒12

Distance Well is From Waste/Source Boundary: ft.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.

Grid Origin Location: Lat. ° ' " Long. ° ' " or

St. Plane _____ ft. N. _____ ft. E.

Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 6, T. 8 N. R. 21 ☒E. ☐W.

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

Well Name: P-113

Wis. Unique Well Number: DNR Well Number:

Date Well Installed: 06/07/96

Well Installed By: (Person's Name and Firm)
Randy Radke
Boart Longyear

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 2.50 ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USC classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐50
Hollow Stem Auger ☐41
HSA and Mud Rotary Other ☒

15. Drilling fluid used: Water ☐02 Air ☐01
Drilling Mud ☒03 None ☐99

16. Drilling additives used? ☒ Yes ☐ No
Describe Bentonite

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 19.0 ft.

G. Filter pack, top _____ ft. MSL or 19.5 ft.

H. Screen joint, top _____ ft. MSL or 20.0 ft.

I. Well bottom _____ ft. MSL or 25.0 ft.

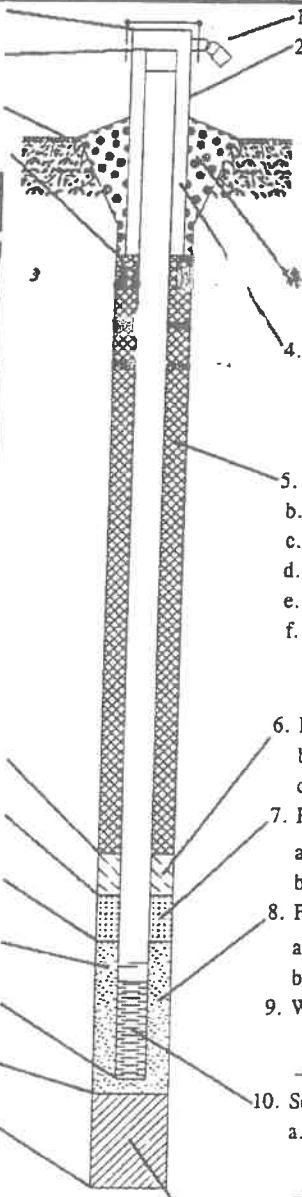
J. Filter pack, bottom _____ ft. MSL or 26.0 ft.

K. Borehole, bottom _____ ft. MSL or 26.0 ft.

L. Borehole, diameter 12.0 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.06 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 7.0 ft.
c. Material: Steel ☒04
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:

Surface seal: Bentonite ☒30
Concrete ☐01
Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐30
Annular space seal ☐
#30 American Material Other ☒

5. Annular space seal: a. Granular Bentonite ☒33
b. _____ Lbs/gal mud weight . . Bentonite-sand slurry ☐35
c. _____ Lbs/gal mud weight . . . Bentonite slurry ☐31
d. _____ % Bentonite . . . Bentonite-cement grout ☐50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐01
Tremie pumped ☐02
Gravity ☒08

6. Bentonite seal: a. Bentonite granules ☐33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☒32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name and mesh size
a. #7 Badger
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. #30 American Material
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒23
Flush threaded PVC schedule 80 ☐24
_____ Other ☐

10. Screen material: PVC
a. Screen Type: Factory cut ☒11
Continuous slot ☐01
_____ Other ☐
b. Manufacturer Boart Longyear
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None ☒14
_____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____

Firm: Boart Longyear
101 Alderson Street

Tel: (715) 359-7090
Fax: (715) 355-5715

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	PZ-114	

Latitude / Longitude (see instructions): 43.185774 N, 88.044291 W
Format Code: ☑ DD ☐ DDM
Method Code: ☐ GPS008 ☑ SCR002 ☐ OTH001

¼ / ¼ SE / NE	¼ SE	Section	Township	Range
or Gov't Lot #		06	8 N	21 ☑ E ☐ W

Well Street Address: 9235 North 107th Street
Well City, Village or Town: Milwaukee
Well ZIP Code: 53224
Subdivision Name:
Lot #:
Reason for Removal from Service: DNR case closure
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: CITGO Petroleum Corp. - Milwaukee Terminal
Facility ID (FID or PWS): 241309090
License/Permit/Monitoring #:
Original Well Owner: CITGO Petroleum Corporation
Present Well Owner: CITGO Petroleum Corporation
Mailing Address of Present Owner: 2316 Terminal Drive

City of Present Owner	State	ZIP Code
Arlington Heights	IL	60005

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 04/06/2000
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
27	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
8.3	27

Was well annular space grouted? ☑ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
17	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☐ N/A
Liner(s) perforated?	☐ Yes	☐ No	☐ N/A
Screen removed?	☐ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Clay	Surface			

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Noe V. Munoz		5/7/2024

Street or Route	Telephone Number
313 Oswalt Avenue	( ) 630-796-9338

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Batavia	IL	60510	Noe V. Muñoz	5/7/24

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ■ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: CITGO - MILWAUKEE BULK TERM
Facility License, Permit or Monitoring Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ■ 12
Distance Well Is From Waste/Source Boundary: _____ ft.
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No

Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.
Grid Origin Location: Lat. _____ Long. _____ or
St. Plane _____ ft. N, _____ ft. E.
Section Location of Waste/Source: ___ 1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐ E. ☐ W.
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ■ Downgradient n ☐ Not Known

Well Name: FZ-114
Wis. Unique Well Number: TQ763 DNR Well Number: _____
Date Well Installed: 04/04/00 (m m / d d / y y)
Well Installed By: (Person's Name and Firm)
BOART LONGYEAR ENVIRONMENTAL
JEFF FLEMING

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 5.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ■
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No
Describe N/A

17. Source of water (attach analysis):
N/A

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or 17.0 ft.
G. Filter pack, top _____ ft. MSL or 18.0 ft.
H. Screen joint, top _____ ft. MSL or 20.0 ft.
I. Well bottom _____ ft. MSL or 25.0 ft.
J. Filter pack, bottom _____ ft. MSL or 28.0 ft.
K. Borehole, bottom _____ ft. MSL or 28.0 ft.
L. Borehole diameter 8.3 in.
M. O.D. well casing 2.4 in.
N. I.D. well casing 2.1 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel ■ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ■ 30; Concrete ☐ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐ _____; Other ■ SAND
5. Annular space seal: a. Granular Bentonite ■ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. _____
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 05.0 ft.
11. Backfill material (below filter pack): None ■ 14; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: NATURAL RESOURCE TECHNOLOGY, INC.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.